01

Home Energy Storage Series

With proven lithium battery technology, GSK provides a full range of safe, long-life, high-efficiency home energy storage solutions, including stackable, wall-mounted, all-in-one and cabinet products for different spaces and needs. Multiple US/EU power options meet global household expectations for stable, reliable and economical electricity.

1. Stackable
2. Wall-Mounted
3. Hybrid All-in-One
4. Cabinet Type
5. C&I Energy Storage Cabinet

Low-Voltage Stackable - 5120Wh

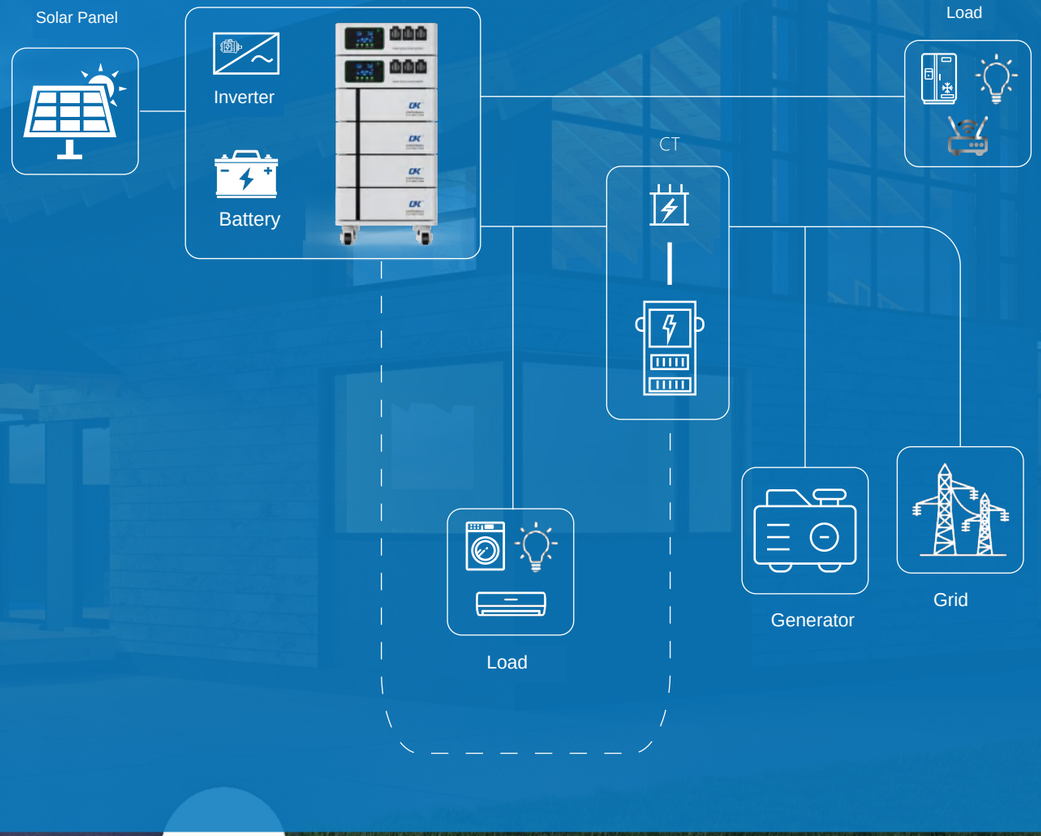
MPPT

Easy operation, expandable battery capacity

- Up to 15 batteries
- Up to 6 inverters
- Max. chg/dischg current: 1500A
- Usable battery: 76.8kWh
- Max. inverter load: 37.2kW
- EU/US inverter optional

Applications

- Home ESS
- Industrial ESS
- Mobile ESS
- PV ESS
- Wind Power
- UPS ESS
- Telecom
- RV ESS





Battery Specs

Battery Energy: 5120Wh*2
Nominal Voltage: 51.2V
Nominal Capacity: 100Ah*2
Max. Cont. Chg/Dischg Current: 50A/100A*2
Cycle Life: 6000+
Module Weight: 43Kg
Module Size: 535*390*175mm

Inverter Specs

Output Voltage: 230V±5%
Output Frequency: 50Hz/60Hz (auto recognition)
Output Power: 6200W
Peak Power: 12000W
Transfer Time: 10ms
PV Input Voltage: 120Vdc~500Vdc
PV Max. Input Power: 6500W
PV Max. Charging Current: 100A
AC Max. Charging Current: 80A
Module Weight: 24Kg
Module Size: 535*390*175mm

Battery Specs

Battery Energy: 5120Wh*4
Nominal Voltage: 51.2V
Nominal Capacity: 100Ah*4
Max. Cont. Chg/Dischg Current: 50A/100A*4
Cycle Life: 6000+
Module Weight: 43Kg
Module Size: 535*390*175mm

Inverter Specs

Output Voltage: 230V±5%
Output Frequency: 50Hz/60Hz (auto recognition)
Output Power: 6200W*2
Peak Power: 12000W*2
Transfer Time: 10ms
PV Input Voltage: 120Vdc~500Vdc
PV Max. Input Power: 6500W*2
PV Max. Charging Current: 100A*2
AC Max. Charging Current: 80A*2
Module Weight: 24Kg
Module Size: 535*390*175mm

Battery Specs

Battery Energy: 5120Wh*6
Nominal Voltage: 51.2V
Nominal Capacity: 100Ah*6
Max. Cont. Chg/Dischg Current: 50A/100A*6
Cycle Life: 6000+
Module Weight: 43Kg
Module Size: 535*390*175mm

Inverter Specs

Output Voltage: 230V±5%
Output Frequency: 50Hz/60Hz (auto recognition)
Output Power: 6200W*3
Peak Power: 12000W*3
Transfer Time: 10ms
PV Input Voltage: 120Vdc~500Vdc
PV Max. Input Power: 6500W*3
PV Max. Charging Current: 100A*3
AC Max. Charging Current: 80A*3
Module Weight: 24Kg
Module Size: 535*390*175mm

High-Voltage Stackable - 10240Wh



Product Description

The high-voltage energy storage battery management system is mainly used in home and commercial energy storage. This distributed two-level system consists mainly of a battery control master unit (BCMU) and battery management units (BMU). It monitors cell voltage, cell temperature, current and total voltage in real time, calculates SOC, estimates SOH and derives SOP to effectively manage lithium battery system safety, and exchanges information with PCS through CAN/RS485 communication interfaces.

The system supports up to 60kWh battery capacity and 40kW power output, with distributed multi-group battery systems.

Specifications

Rated Capacity	100Ah
Rated Voltage	102.4V
Rated Energy	10.24kWh
Rated Charge/Discharge Rate	0.5C
Operating Voltage Range	80V~116.8V
Std. Charge/Discharge Current	0.2C/0.33C
Std. Charge/Discharge Cut-off Voltage	91.2V/116.8V
Max. Continuous Charge Current	50A
Max. Continuous Discharge Current	50A
Recommended SOC Range	10%~95%
Charging Temperature	0℃~50℃
Discharging Temperature	-20℃~50℃
Short-Term Storage Stability (within 1 month)	-20℃~45℃
Long-Term Storage Stability (within 1 year)	0℃~35℃
Storage Humidity	5%~90%
Cycle Count	6000+
Product Size	680*528*190mm
Net Weight	≈81Kg



Product Description

The 51.2V wall-mounted series is a lithium iron phosphate battery module designed for residential energy storage, with flexible capacity and power combinations.

An intelligent BMS is integrated inside and supports communication with most mainstream inverters, offering advantages in safety, cycle life, energy density, temperature range and environmental protection.

Advantages.



Specifications

Rated Capacity	100Ah	150Ah	184Ah
Rated Voltage	51.2V		
Rated Energy	5.12kWh	7.68kWh	9.42kWh
Operating Voltage Range	40V-58.4V		
Std. Charge/Discharge Current	50A/75A		
Max. Continuous Charge Current	100A		
Max. Continuous Discharge Current	100A		
Recommended SOC Range	5%~95%		
Charging Temperature	0℃~50℃		
Discharging Temperature	-20℃~50℃		
Short-Term Storage Stability (within 1 month)	-20℃~45℃		
Long-Term Storage Stability (within 1 year)	0℃~35℃		
Storage Humidity	5%~90%		
Cycle Count	6000+		
Product Size	570*360*146mm	657*400*165mm	756*495*162mm
Net Weight	≈43Kg	≈60Kg	≈75Kg